



***Kraussia* Dana, 1852 (Crustacea: Decapoda: Brachyura), the senior homonym of *Kraussia* Davidson, 1852 (Brachiopoda: Terebratulida: Terebratellidina): confirmation and authorship of the replacement name *Kraussina* Suess, 1859**

MARTYN E. Y. LOW¹ & PAUL F. CLARK²

¹Raffles Museum of Biodiversity Research, National University of Singapore, 6 Science Drive 2, Singapore 119260, Republic of Singapore. E-mail: dbsley@nus.edu.sg

²Department of Zoology, The Natural History Museum, Cromwell Road, London SW7 5BD, England. E-mail: p.clark@nhm.ac.uk

Kraussia was made available by Dana (1852a) and Davidson (1852) as a brachyuran and brachiopod genus, respectively. Suess (1859) provided a replacement name *Kraussina*, for Davidson's (1852) taxon but did not provide any evidence why Dana's (1852) name was the senior homonym. Evidence is presented here to support the action of Suess (1859), although there is confusion concerning the oldest description of *Kraussia* by Dana. For example, Stebbing (1918: 53) and Ng (1993: 137) cite Dana (1852c: 297) as the first available description of *Kraussia*. Dana (1852c: 297) wrote "G. 2. *Kraussia*, Dana.–Carapax [...]" and by inserting his name after *Kraussia*, it seems that Dana (1852c) was indicating that he had previously described the genus. Indeed, Dana (1852a) is an earlier description of the genus, in which *Platyonychus rugulosa* Krauss, 1843, was referred to this taxon. Dana (1852a: footnote, 120) stated: "Ad species complectendum *Xantho integrum* DeHaanii [...] et *Platyonychum rugulosum* Kraussii [...], Thiae affinies et *Xantho* remotas, genus '*Kraussia*' institutum est". *Kraussia* was also used by Dana (1852b: 86) when he wrote "Genus *Kraussia*, Dana. *Kraussia rugulosa*, *Platyonychus rugulosus* Krauss (Südaf. Crust. p. 26, tab. 1, f. 5) ad insulas Hawaienses lecta.". Again he referred to "*Kraussia* Dana", suggesting the genus was already available (i.e., as in Dana 1852a: 120). *Kraussia* should thus be credited to Dana (1852a).

Davidson (1852: 369) also used *Kraussia*, in the same year but for a brachiopod genus. Later, "*Kraussina* Davidson" was cited by Suess (1859: footnote, 210) and he explained: "Es ist dies dieselbe Sippe, welche bisher unter dem Name *Kraussia* in den Werken erschien, da jedoch dieser Name um dieselbe Zeit (1852) von Dana einer Crustaceen-Gattung verliehen worden ist, ist derselbe mit Zustimmung des Hrn. Davidson in *Kraussina* verwandelt worden" which translates as: "[...] this group was described with the name *Kraussia* in the work [i.e., Davidson 1852] but this was given at the same time to a crustacean genus by Dana, and it is with Mr. Davidson's consent that I give it the name *Kraussina*."

Subsequent authors have cited "*Kraussina* Davidson", apparently reading the footnote of Suess (1859: 210) to mean that *Kraussina* should be attributed to Davidson. In a later paper, Davidson (1861: 39) himself seems to concur, stating: "Subgenus *Kraussina*, Dav. (The term *Kraussia* having already been made use of for some other animal, the termination *ina* has been substituted for that of the original designation.)". However, a strict interpretation of Article 50.1 of the International Code of Zoological Nomenclature (ICZN 1999: 52) (see also Ng 1994: 510) makes it clear that the author of *Kraussina* is Suess (1859), not Davidson in Suess (1859). It was Suess who proposed the name, not Davidson, who merely consented to Suess' action. Thus, the correct citation of the brachiopod taxon is *Kraussina* Suess, 1859. The most common citation of "*Kraussina* Davidson, in Suess, 1859" (Hiller *et al.* 2008: 380) is incorrect. Furthermore, the citation "*Kraussina* Davidson, 1859" (e.g., Cooper 1973: 22), in addition to being wrong, would cause confusion as the name *Kraussina* cannot be found in an 1859 publication by Davidson. Perhaps because *Kraussia* Davidson (1852) was replaced so soon after its establishment, brachiopod systematists have embraced the name *Kraussina* for well over 150 years, but the circumstances and action of Suess (1859) that made the name available seem to have been obscured. No mention is made of *Kraussina* Suess, 1859, being a replacement name in either Cooper (1973) or Hiller *et al.* (2008). Even Dall (1870), who established the subfamily Kraussininae (the basis for the superfamily Kraussinoidea), attributed the genus *Kraussina* to "Dav.", and Suess (1859) was not even mentioned.

Although Suess (1859) did not give any reason for considering *Kraussia* Dana, 1852, to be the senior homonym of Davidson's name, he was correct in his assignment of priority. According to Evenhuis (2003: 19), series 2, volume IX, and part XLIII of the *Annals and Magazine of Natural History* in which *Kraussia* Davidson, 1852, was established was published on 1 May 1852. The date when *Kraussia* Dana, 1852, is first available is more problematic as the description